Hughes Net How To's

How to find and check your transmit power levels.

This will walk you through finding your target transmit power levels (measured in dB), then finding your actual transmit power levels for comparison. This will show you if there might be any power issues on site that might inhibit peak performance.

Find your Target Values (what you need)

1. Start by getting into your System Control Center - enter 192.168.0.1 in your browser address bar.

2. Click on the little man in the grey bar to get into your Advanced Statistics and Configuration page.

3. Once there you can find your target values by navigating through the following menus on the left-hand side of that page.

    Transmitter > AIS > Trajectory Table

4. Notate what dB (power) levels are necessary to achieve the corresponding rate code.

Find your Actual Values (what you have)

1. Start by doing steps one and two from above. (or stay in the same menus)

2. Once you navigate to the Advanced Statistics and Configuration page, you can find your actual values by navigating through the following menus on the left hand side of that page.

    Transmitter > AIS > CLP Stats

3. Check the value stated for the Stream SINR Feedback value. You will need to add in a decimal point one digit over from right to left. (For example 98 becomes 9.8 or 102 becomes 10.2)

Once you have both the target and actual values, you can compare the two numbers. You know there are no transmit power issues, when your actual Stream SINR Feedback value is high enough to achieve your highest rate code from the trajectory table. If your actual values are not high enough to match the highest rate code, then there are issues somewhere with your power chain.